



# LZR®-FLATSCAN REV PZ

COMPACT, PRESENCE SENSOR FOR  
AUTOMATIC, REVOLVING DOORS



## DESCRIPTION

BEA's **LZR®-FLATSCAN REV PZ** is a compact, LASER-based, presence sensor for automatic, revolving doors. This sensor provides entry-point area and door leaf coverage, contributing to an ANSI 156.27-compliant system.

Its high-density, single curtain equipped with 400 measurement spots provides precise detection. With the wave of a hand, Hand-Gesture Setup™ simplifies installation, reducing configuration time.

Visual alignment spots aid in precise curtain angle adjustment and push-button teach-in further simplifies sensor setup.

Recessed and surface-mounting options are available to fit your application needs.

## APPLICATIONS

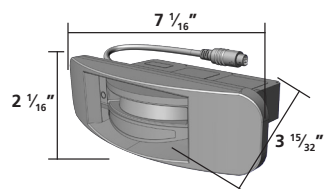


Entry Point Protection

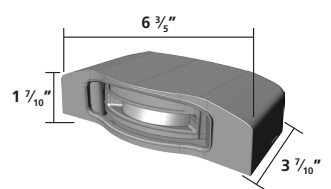


Ceiling or Surface Mounting

## DIMENSIONS



Recessed version



Surface-mount version

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## TECHNICAL SPECIFICATIONS

### TECHNOLOGY / PERFORMANCE

|   |  |
|---|--|
| <b>Technology</b>                                     | LASER scanner, time-of-flight measurement  |
| <b>Detection mode</b>                                 | Presence   |
| <b>Mounting height</b>                                | min: 6'6"<br>max: 13'  |
| <b>Field of view</b>                                  | 90°  |
| <b>Angular resolution</b>                             | 0.23° (400 spots within 90°)   |
| <b>Tilt angles</b>                                    | 0 – 5°   |
| <b>Optical characteristics<br/>(IEC 60825-1:2014)</b> | wavelength 905 nm; output power < 0.1 mW;<br>CLASS 1<br>wavelength 635 nm; output power < 1 mW; CLASS 2 - visible spot |

### ELECTRICAL

|                          |   |
|--------------------------|---|
| <b>Supply voltage*</b>   | 12 – 24 VDC ±15%  |
| <b>Power consumption</b> | ≤ 2.2 W   |
| <b>Response time</b>     | max. 90 ms  |
| <b>Relay output 1*</b>   | 1 relay (free of potential change-over contact)<br>max. contact voltage 42V DC/AC peak<br>max. contact current 1.0A (resistive) |
| <b>Optofet output 2*</b> | 1 optocoupler (galvanic isolation - polarity free)<br>max. switching voltage 42V DC/AC peak<br>max. switching current 100 mA    |
| <b>Test input</b>        | 30 VDC (max. switching voltage)<br>low < 1 V, high > 10 V (max. 30 V)   |

### PHYSICAL

|                   |  |
|-------------------|--|
| <b>Dimensions</b> |  |
| recessed version  | 7" (L) × 3" (H) × 2" (D)<br>[178 mm (L) × 85 mm (H) × 53 mm (D)]               |
| surface version   | 6 5/8" (L) × 3 5/8" (H) × 1 5/8" (D)<br>[168 mm (L) × 93 mm (H) × 42.5 mm (D)] |

|                          |   |
|--------------------------|---|
| <b>Material - Color</b>  | PC/ABS - black or aluminum                |
| <b>Protection degree</b> | IP54 (IEC 60529)                          |
| <b>LED signals</b>       | 1 bi-colored LED: detection/output status |
| <b>Temperature range</b> | -22 – 140 °F (if powered)                 |
| <b>Humidity</b>          | 0 – 95% non-condensing                    |
| <b>Vibrations</b>        | < 2 G                                     |

### COMPLIANCE

|                   |  |
|-------------------|--|
| <b>Compliance</b> | ISO 13849-1 PL "d"/ CAT2; IEC 60825-1; IEC 62061 SIL 2 |
|-------------------|--|

\* External electrical sources must be within specified voltages, max 15W and ensure double insulation from primary voltages.

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